National Data Warehouse
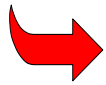## An Overview

- Purpose
- System Design
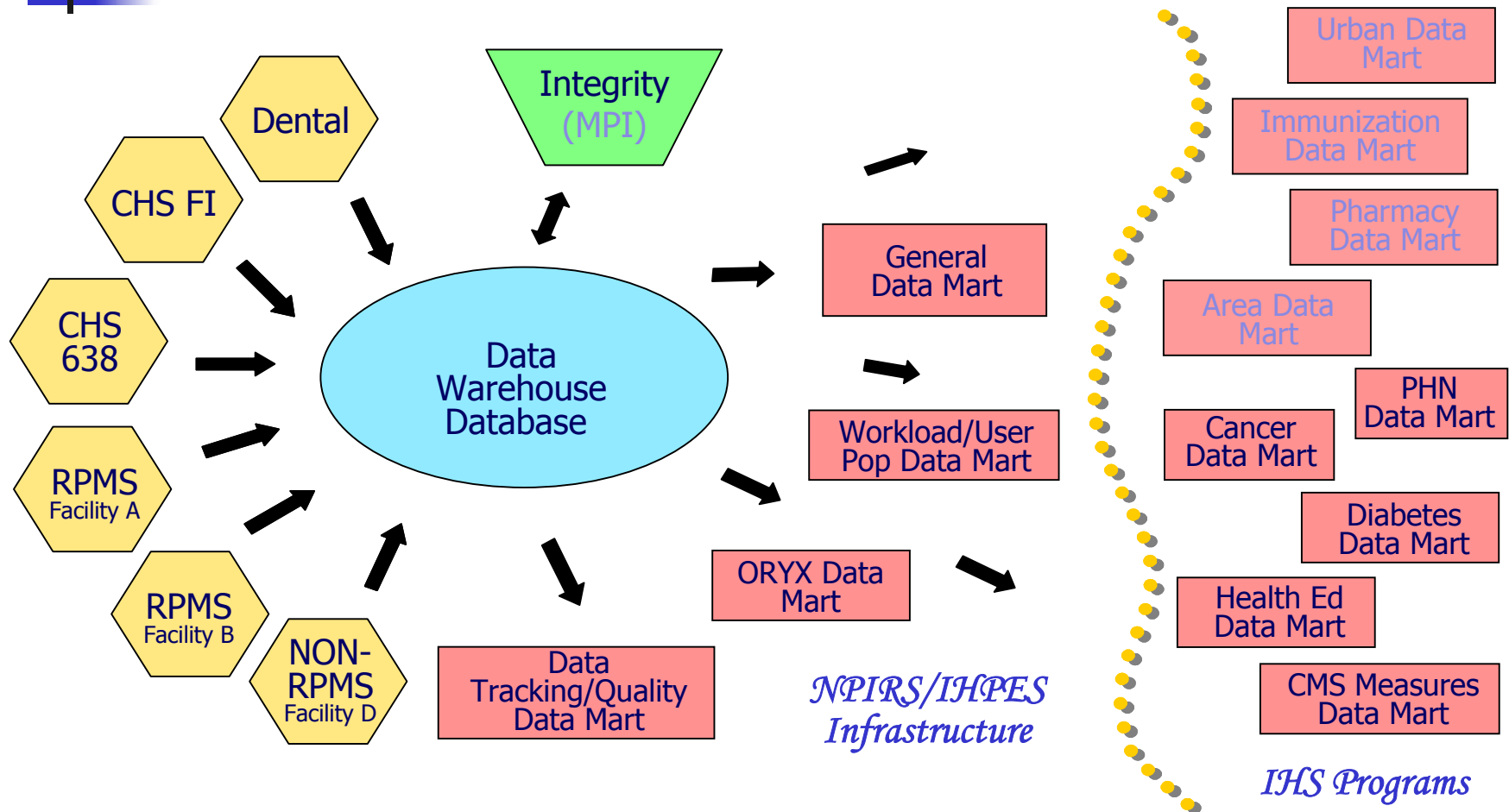- NDW1 Project Scope
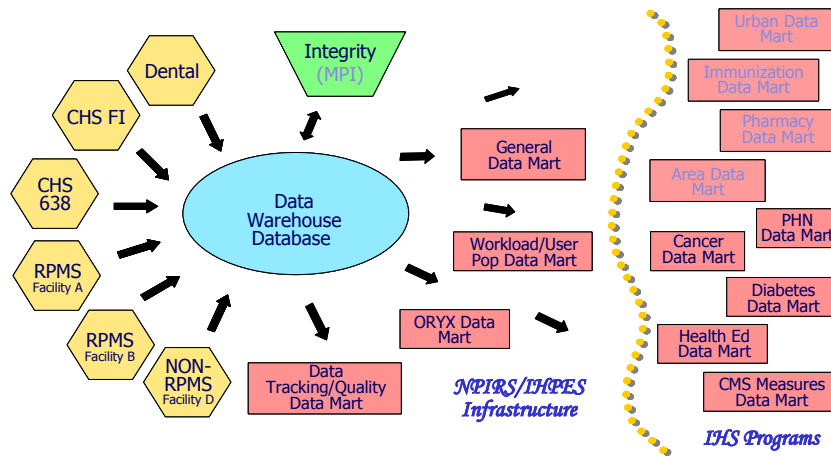- User Benefits
- Data Integrity
- Timeline
- Accessing Data in the NDW
- The Future

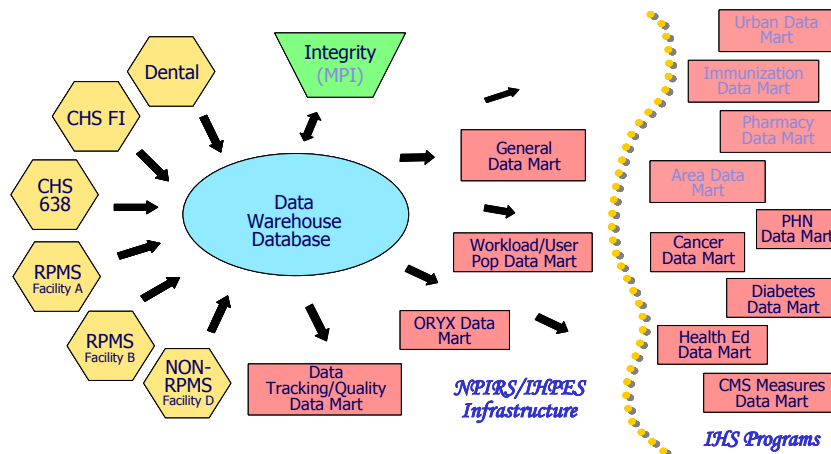# NDW Organizational Architecture

NDW Organizational Architecture

- Underlying DW database, technical infrastructure, general user data marts
  - Primary responsibility – ITSC/IHPES
  - ETL, staging and target tables, administrative and lookup tables
  - "Super users" have access to general data mart that contains a wide spectrum of current data
  - ORYX, CMS Measures, and User Pop/WL data marts
  - Provides data to populate the the more targeted data marts
  - Users of this component are the "super-users" of the general data marts and the more targeted data marts

NDW Organizational Architecture

- Dental
- CHS FI
- CHS 638
- RPMS Facility A
- RPMS Facility B
- NON-RPMS Facility D
- Integrity (MPI)
- Data Warehouse Database
- General Data Mart
- Workload/User Pop Data Mart
- ORYX Data Mart
- Data Tracking/Quality Data Mart
- *NPIRS/IHPES Infrastructure*
- Urban Data Mart
- Immunization Data Mart
- Pharmacy Data Mart
- Area Data Mart
- Cancer Data Mart
- PHN Data Mart
- Diabetes Data Mart
- Health Ed Data Mart
- CMS Measures Data Mart
- *IHS Programs*

- "Component-ized" targeted data marts
  - Primary responsibility – programs, disciplines, organizational units
  - ITSC "hosts" the infrastructure, provides the security protocols, etc.
  - Very specific, limited subsets of data
  - Emphasis on search efficiency
  - Main focus are pre-structured reports
  - Users of this component are the programs, disciplines, organizational units

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Accessing Data in the NDW

- Direct access to the General Data Mart via a web interface[1]

- Simple[2] "data dump"[1]

- Simple[2] NPIRS report[1]

- Request for a more extensive set of NPIRS reports or analyses[3]

- Development of a program/organizational data mart[3]

[1] Provided by current contract
[2] Defined as requiring less than 2 days of contractor effort
[3] Will require program funding of a contract or task order